

Figure 1

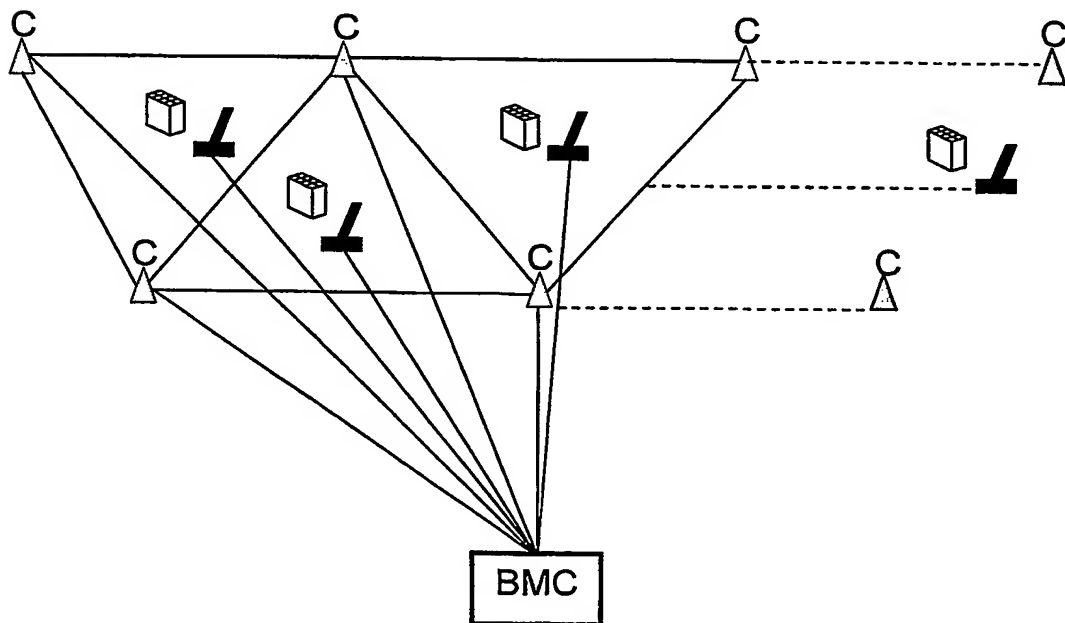


Figure 2

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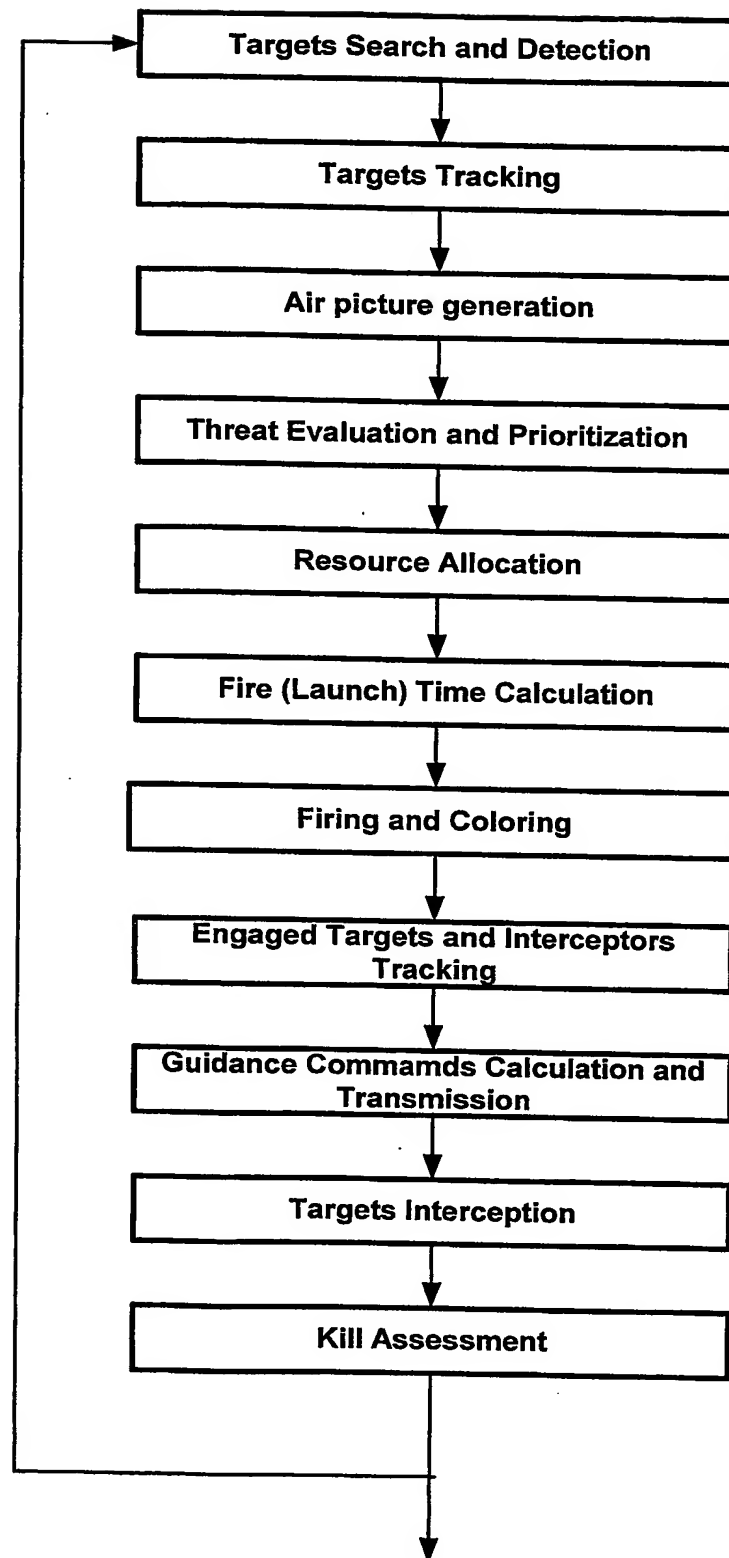


Figure 3

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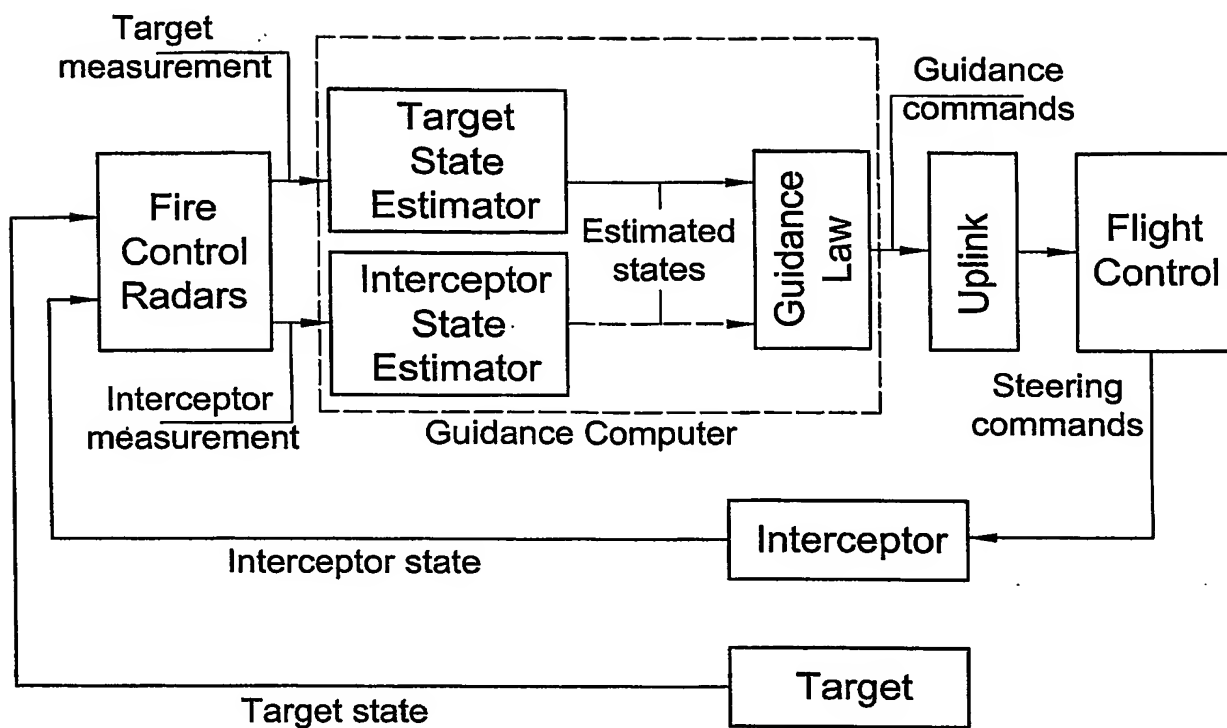


FIG. 4

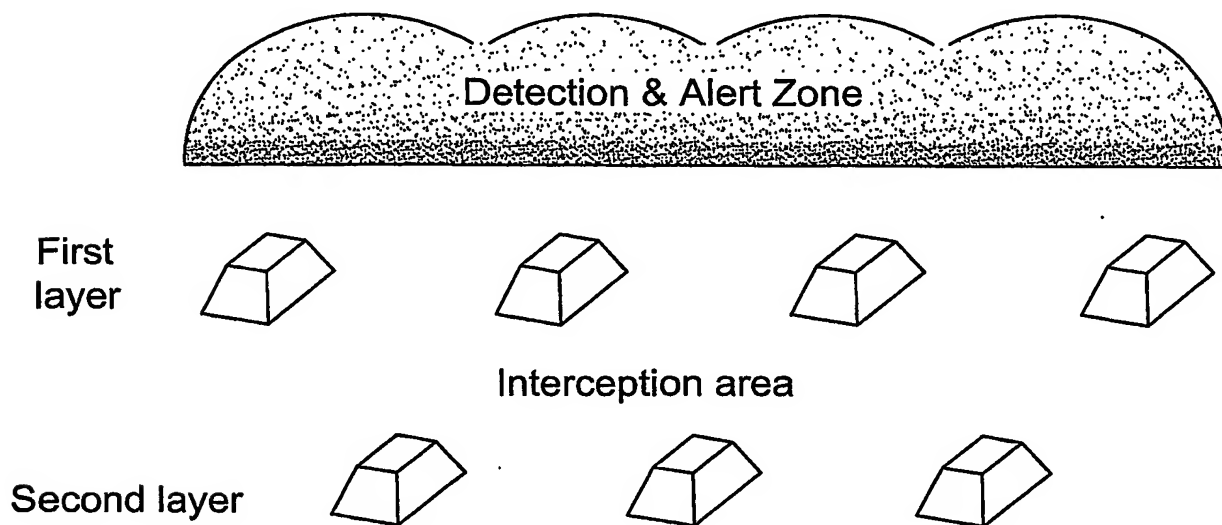


FIG. 5

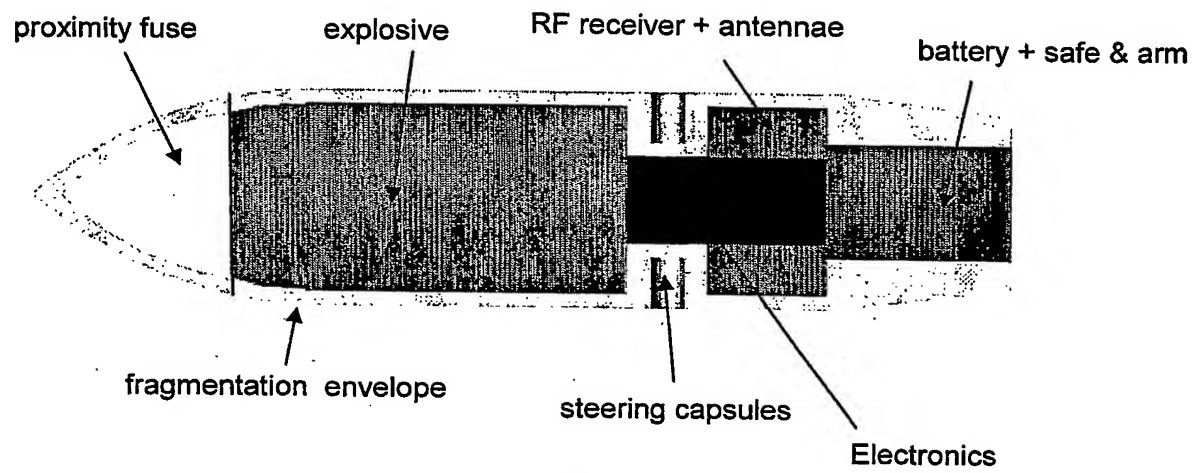
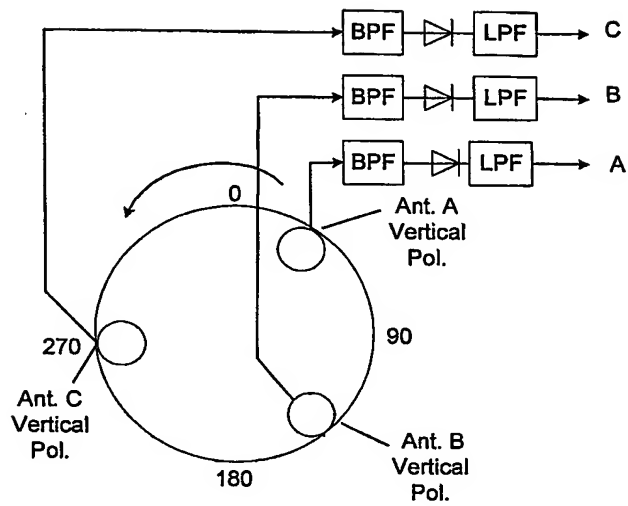


Figure 6

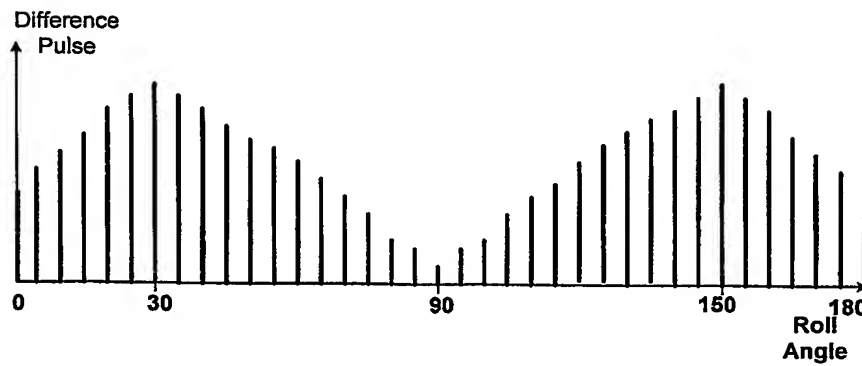
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a) Communication Section

$$\text{Sigma} = A+B$$

$$\text{Difference Pulse} = \frac{|A - B|}{\text{Sigma}}$$



b) Roll Measurement Algorithm

Figure 7